



IN 09/828,708

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**PATENT**

Applicant: Henrik Ditzel et al.

Examiner: Phuong N. Huynh

Serial No.: 09/828,708

Group Art Unit: 1644

Filed: April 6, 2001

Docket: 1361.005US1

Title: AUTOANTIBODIES TO GLUCOSE-6-PHOSPHATE ISOMERASE AND  
THEIR PARTICIPATION IN AUTOIMMUNE DISEASE

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11/23/02

**RESPONSE TO RESTRICTION REQUIREMENT**

Commissioner for Patents  
Washington, D.C. 20231

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In response to the Restriction Requirement mailed September 30, 2002, Applicants elect, with traverse, Group I (claims 1-19 and 33).

Applicants also make the following selections in response to the species election requirement, para. 6 of the Restriction Requirement.

- 1) CDR sequences
  - a. Light chain CDR's SEQ ID NO'S: 36, 43 and 50
  - b. Heavy chain CDR's SEQ ID NO'S: 18, 25 and 32
- 2) Spacer sequences (framework region sequences)
  - a. Light chain Spacer SEQ ID NO'S: 84, 91, 98 and 105
  - b. Heavy chain Spacer SEQ ID NO'S: 60, 65, 72 and 77
- 3) Light Variable Chain AA Sequence SEQ ID NO: 4
- 4) Heavy Variable Chain AA Sequence SEQ ID NO: 11

These selections are based upon the Fab designated as B2 in Figs 2 and 3. The light variable chain sequence is for B2. Note, however, that B2 and A4 have identical light variable chain sequences. The heavy variable chain sequence is for B4 alone. The light CDR and Spacer sequences correspond to those of B2/A4 (identical). The heavy chain CDR and Spacer sequences correspond to those of B2 alone. The bar graph of Fig 2 shows the specific immunoreactivities of B2 and A4 among others.

Applicants reserve the right to file divisional applications directed to the subject matter of the non-elected groups. Such divisional applications shall enjoy all the rights and benefits of 35 USC § 121.

Applicants also list the claims, which read on the elected species. These include all

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claims of group I.

The Examiner is invited to contact the below-signed attorney if there are any questions regarding this response or if prosecution of this application may be assisted thereby.

Respectfully submitted,

HENRIK DITZEL ET AL.

By their Representatives,

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Date: Nov 13, 2002

By

A. James Nelson  
A. James Nelson  
Reg. No. 28,650

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner of Patents, Washington, D.C. 20231, on this 14 day of November, 2002.

**Candis B. Buending**

Name

Signature

Candis Buending